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# **Notice of Allowability**

Application No.

09/936,294

Examiner

Qutub Ghulamali

Applicant(s)

KAKEHI, YUJI

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/11/2006.
2. ☒ The allowed claim(s) is/are 3-7, 14-16 and 19-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## **Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### **DETAILED ACTION**

1. This Office Action is responsive to the Remarks filed by the applicant on 07/11/2006.
2. The objection to claim 3 is withdrawn in view of applicant's amendment filed 07/11/2006. The amendment considered acceptable.

### ***Response to Remarks/Amendments***

3. Applicant's remarks/amendments, filed July 11, 2006, have been fully considered, and as a result claims 3-7, 14-16 and 19-23 are now indicated allowable. The applicant by this amendment has cancelled claims 8, 17 and 18. However, in order to advance prosecution in the case, an examiner's amendment is considered necessary to correct for some minor deficiency in the claim(s). The examiner's amendment follows.

### **EXAMINER'S AMENDMENT**

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Adam M. Treiber on 07/18/2006.

The application has been amended as follows:

**IN THE CLAIMS:**

Claim 3, line 11, "fame" has been replaced with -- frame --.

***Reason For Allowance***

5. Claims 3-7, 14-16 and 19-23 allowed.

6. The following is an examiner's statement of reasons for allowance:

With reference to claim 3, the prior art of record in combination with other claimed limitations neither teaches nor renders obvious, a mobile communication terminal comprising:

a frame timing and code group detector detecting frame timing and a code group based on the slot timing detected by said slot timing detector from the signals received by said receiver, and a code detector detecting a code based on the slot timing detected by said slot timing detector and the code group detected by said frame timing and code group detector from the signals received by said receiver. Such limitations as recited in the above independent claim is neither anticipated nor rendered obvious by the prior art of record.

As per claims 14 and 19, the prior art of record in combination with other claimed limitations neither teaches nor renders obvious, a communication method comprising: detecting frame timing and a code group based on the detected slot timing and detecting a code based on the detected slot timing and the code group, generating codes corresponding to a plurality of different code groups, generating dummy codes

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different from said codes, calculating correlations of said received signals with respect to said generated codes and dummy codes, and determining invalidity of the detected code group based on a result of said calculation. Such limitations as recited in the above independent claim is neither anticipated nor rendered obvious by the prior art of record.

Claims 4-7, 15, 16 and 20-23, are allowed by virtue of their dependency to claims highlighted above.

#### ***Contact Information***

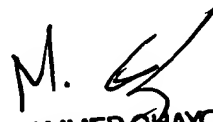
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Qutub Ghulamali whose telephone number is (571) 272-3014. The examiner can normally be reached on Monday-Friday, 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

QG.  
July 19, 2006.

M.   
MOHAMMED GHAYOUR  
SUPERVISORY PATENT EXAMINER